

aiwa



HV-CX717 HV-CX818

S E R V I C E
M A N U A L

VIDEO CASSETTE PLAYER

- BASIC VIDEO MECHANISM: K-P2SPN 104P-C<717>
K-P2SRN 104R-C<818>
- TYPE: KE

SIMPLE MANUAL

- Replace this Service Manual with "Revision Publishing" when it is issued.

ELECTRICAL MAIN PARTS LIST - 1/3

REFNO.	PARTNO.	KANRI NO	DESCRIPTION	REFNO.	PARTNO.	KANRI NO	DESCRIPTION
IC				C127	87-010-405-080	CAP, ELECT 10-50V	
88-JP6-616-010	IC, TOP224Y			C129	87-010-196-080	CHIP CAPACITOR, 0.1-25	
87-A20-649-080	IC, HA17431VP			C130	87-010-263-080	CAP, ELECT 100-10V	
87-A20-216-110	C-IC, HA118201CF			C131	87-010-545-080	CAP, ELECT 0.22-50V	
87-A20-275-040	C-IC, MSM7470-73MS			C132	87-010-405-080	CAP, ELECT 10-50V	
87-070-424-040	IC, BA7180F			C133	87-010-400-080	CAP, ELECT 0.47-50V	
87-001-933-010	IC, LA7295<818>			C134	87-010-405-080	CAP, ELECT 10-50V<818>	
88-JP6-611-010	C-IC, M37776M5A-166GP			C135	87-010-405-010	CAP, ELECT 10-50V<717>	
87-001-982-010	IC, TA7291S			C136	87-010-402-080	CAP, ELECT 2.2-50V	
87-070-289-040	IC, BU 2092F			C137	87-010-403-080	CAP, ELECT 3.3-50V	
87-070-083-010	IC, GP1U281X			C138	87-010-196-080	CHIP CAPACITOR, 0.1-25	
87-070-391-040	IC, BA4558<717>			C139	87-010-196-080	CHIP CAPACITOR, 0.1-25	
				C141	87-010-196-080	CHIP CAPACITOR, 0.1-25	
				C143	87-010-403-080	CAP, ELECT 3.3-50V	
				C144	87-010-197-080	CAP, CHIP 0.01 DM	
TRANSISTOR				C149	87-010-316-080	C-CAP, S 33P-50 CH	
89-109-521-080	TR, 2SA952 (0.6W)			C150	87-010-493-080	CAP, E 0.47-50 GAS	
87-A30-062-080	C-TR, KRC104S			C152	87-010-068-080	CAP, ELECT 0.22-50	
89-109-340-480	TR, 2SA934Q			C154	87-012-154-080	C-CAP, S 150P-50 CH	
87-A30-060-080	C-TR, KTC3875GR			C157	87-015-695-080	CAP, E 1-50 7L	
87-A30-061-080	C-TR, KTA1504GR			C158	87-010-197-080	CAP, CHIP 0.01 DM	
87-026-235-080	C-TR, DTC114EK			C159	87-010-198-080	CAP, CHIP 0.022	
87-A30-099-080	TR, 2SC3708S/T<818>			C160	87-010-197-080	CAP, CHIP 0.01 DM	
87-A30-141-010	P-TR, PN268NC-R			C161	87-015-677-080	CAP, E 100-6.3 7L	
				C162	87-018-214-080	CAP TC U 0.1-50F	
DIODE				C163	87-010-178-080	CHIP CAP 1000P	
87-070-173-010	DIODE, S1WBA60			C164	87-010-198-080	CAP, CHIP 0.022	
87-A40-368-080	DIODE, EG01C			C165	87-010-196-080	C-CAP, S 0.1-25 Z F	
87-A40-480-080	ZENER, P6KE150A-G23			C180	87-012-158-080	C-CAP, S 390P-50 CH	
87-A40-291-080	DIODE, 1N4148 (CPT)			C182	87-010-196-080	CHIP CAPACITOR, 0.1-25	
87-A40-369-090	DIODE, RN3Z			C183	87-010-553-080	CAP, E 47-16	
87-A40-184-090	DIODE, RK34(F)			C184	87-018-131-080	CAP, CER 1000P-50V	
87-A40-466-080	ZENER, MTZJ2.7A			C185	87-018-134-080	CAPACITOR, TC-U 0.01-16	
87-A40-003-080	ZENER, MTZJ4.3A			C186	87-010-149-080	C-CAP, S 5P-50 CH	
87-A40-344-080	ZENER, MTZJ5.6B			C187	87-010-314-080	C-CAP, S 22P-50V	
87-070-274-080	DIODE, 1N4003 SEM			C201	87-010-112-080	CAP, ELECT 100-16V	
				C202	87-010-197-080	CAP, CHIP 0.01 DM	
				C203	87-010-374-080	CAP, ELECT 47-10V	
				C204	87-010-371-080	CAP, ELECT 470-6.3V	
				C205	87-010-263-080	CAP, ELECT 100-10V	
MAIN C.B				C206	87-010-197-080	CAP, CHIP 0.01 DM	
C1	87-A10-374-010	CAP, M/P 0.1-275 K RMR		C207	87-010-263-080	CAP, ELECT 100-10V	
C4	87-A10-003-090	CAP, E 100-400 M SME		C208	87-010-197-080	CAP, CHIP 0.01 DM	
C5	87-A10-892-080	CAP, CER 68P-1K J SL		C251	87-010-181-080	CAP, CHIP S 1800P<818>	
C7	87-010-374-080	CAP, ELECT 47-10V		C252	87-010-316-080	C-CAP, S 33P-50 CH<818>	
C9	87-A10-413-010	CAP, CER 2200P-4K M E KX		C253	87-012-154-080	C-CAP 150P-50CH<818>	
C12	87-A10-896-090	CAP, E 820-16 M PJ		C254	87-012-157-080	C-CAP, S 330P-50 CH<818>	
C13	87-A10-895-080	CAP, E 1000-10 M PJ		C255	87-012-154-080	C-CAP, S 150P-50 CH<818>	
C14	87-010-235-080	CAP, E 470-16 SME		C256	87-010-198-080	CAP, CHIP 0.022<818>	
C15	87-010-221-080	CAP, ELECT 470-10V		C257	87-010-197-080	CAP, CHIP 0.01 DM<818>	
C16	87-010-235-080	CAP, E 470-16 SME		C258	87-010-550-080	CAP 100-6.3 GAS<818>	
C18	87-010-378-080	CAP, ELECT 10-16V		C259	87-010-198-080	CAP, CHIP 0.022<818>	
C19	87-010-112-080	CAP, ELECT 100-16V		C260	87-010-198-080	CAP, CHIP 0.022<818>	
C20	87-010-263-080	CAP, ELECT 100-10V		C261	87-010-198-080	CAP, CHIP 0.022<818>	
C21	87-010-983-010	CAP, CER 0.01-500 KB		C262	87-010-197-080	CAP, CHIP 0.01 DM<818>	
C22	87-A10-596-080	C-CAP, S 100P-100J C		C263	87-010-244-080	CAP, E 22-16 M 5L SRE<818>	
C23	87-A10-843-080	CAP, CER 680P-1K KR		C265	87-010-178-010	CHIP CAP 1000P<818>	
C102	87-018-205-080	CAP, CERA-SOL 0.022<818>		C301	87-010-196-080	CHIP CAPACITOR, 0.1-25	
C103	87-010-197-080	CAP, CHIP 0.01 DM		C302	87-010-196-080	CHIP CAPACITOR, 0.1-25<818>	
C104	87-010-145-080	C-CAP, S 1P-50 CH		C303	87-010-196-080	CHIP CAPACITOR, 0.1-25	
C105	87-010-197-080	CAP, CHIP 0.01 DM		C306	87-010-196-080	CHIP CAPACITOR, 0.1-25	
C106	87-010-073-080	CAP, E 3.3-50 5L		C307	87-010-196-080	CHIP CAPACITOR, 0.1-25<818>	
C107	87-012-155-080	C-CAP 180P-50CH		C308	87-015-677-080	CAP, E 100-6.3 7L	
C108	87-010-316-080	C-CAP, S 33P-50 CH		C309	87-010-805-080	CHIP CAPACITOR, S 1-16	
C110	87-010-244-080	CAP, E 22-16 M 5L SRE		C310	87-010-198-080	CAP, CHIP 0.022<818>	
C111	87-010-196-080	CHIP CAPACITOR, 0.1-25		C311	87-010-197-080	CAP, CHIP 0.01 DM	
C112	87-010-193-080	CHIP CAPACITOR, 0.033		C351	87-010-314-080	C-CAP, S 22P-50 CH	
C113	87-010-402-080	CAP, ELECT 2.2-50V		C352	87-010-313-080	C-CAP, S 18P-50 CH	
C116	87-010-180-080	C-CER 1500P		C354	87-010-320-080	CHIP CAP 68P	
C117	87-010-314-080	C-CAP, S 22P-50V		C355	87-010-317-080	C-CAP, S 39P-50 CH	
C119	87-010-400-080	CAP, ELECT 0.47-50V		C356	87-010-197-080	CAP, CHIP 0.01 DM	
C120	87-010-198-080	CAP, CHIP 0.022		C357	87-010-321-080	C-CAP, S 82P-50CH	
C122	87-010-401-080	CAP, ELECT 1-50V					
C126	87-018-134-080	CAPACITOR, TC-U 0.01-16					

ELECTRICAL MAIN PARTS LIST - 2/3

REFNO.	PARTNO.	KANRI NO.	DESCRIPTION	REFNO.	PARTNO.	KANRI NO.	DESCRIPTION
C360	87-010-320-080	C-CAP,S 68P-50 CH		J201	87-A60-240-010	JACK,PIN 2P Y/B HTJ-033<818>	
C362	87-012-157-080	C-CAP,S 330P-50 CH		J202	87-A60-240-010	JACK,PIN 2P Y/B HTJ-033	
C365	87-012-157-080	C-CAP,S 330P-50 CH		L2	87-A50-180-080	COIL,22UH K LHL10	
C367	87-010-322-080	C-CAP,S 100P-50 CH		L3	87-A50-180-080	COIL,22UH K LHL10	
C370	87-010-197-080	CAP, CHIP 0.01 DM		L4	87-A50-180-080	COIL,22UH K LHL10	
C371	87-015-677-080	CAP, ELECT 100-6.3 M 7L		L101	87-003-146-080	COIL,15UH K LAL02	
C401	87-010-112-080	CAP, ELECT 100-16V<818>		L102	87-005-730-080	COIL,10UH J SP02	
C402	87-010-197-080	CAP, CHIP 0.01 DM<818>		L103	87-005-736-080	COIL,33UH J SP02	
C404	87-010-182-080	C-CAP,S 2200P-50 B<818>		L105	87-005-481-080	COIL,47UH J FLR50	
C405	87-010-401-080	CAP, ELECT 1-50V<818>		L108	87-005-743-080	COIL,120UH J SP02	
C406	87-010-197-080	CAP, CHIP 0.01 DM<818>		L109	87-005-481-080	COIL,47UH J FLR50	
C407	87-010-404-080	CAP, ELECT 4.7-50V<818>		L180	87-005-742-080	COIL,100UH J SP02	
C409	87-010-404-080	CAP, ELECT 4.7-50V<818>		L181	87-005-740-080	COIL,68UH J SP02	
C410	87-010-213-080	C-CAP,S 0.015-50 B<818>		L201	87-005-738-080	COIL,47UH J SP02	
C411	87-010-382-080	CAP, ELECT 22-25V<818>		L202	87-005-481-080	COIL,47UH J FLR50	
C413	87-010-402-080	CAP, ELECT 2.2-50V<818>		L203	87-005-481-080	COIL,47UH J FLR50	
C415	87-012-365-080	C-CAP,S 0.027-25VBK<818>		L251	87-005-738-080	COIL,47UH J SP02<818>	
C416	87-015-698-080	CAP,E 4.7-50 7L<818>		L252	87-005-729-080	COIL,8.2UH J SP02<818>	
C417	87-010-260-080	CAP, ELECT 47-25V<818>		L253	87-005-738-080	COIL,47UH J SP02<818>	
C418	87-010-378-080	CAP, ELECT 10-16V<818>		L254	87-005-732-080	COIL,15UH J SP02<818>	
C419	87-010-260-080	CAP, ELECT 47-25V<818>		L255	87-005-739-080	COIL,56UH J SP02<818>	
C420	87-010-427-080	C-CAP,S 0.039-25 Z F<818>		L256	87-005-746-080	COIL,220UH J SP02<818>	
C421	87-010-182-080	C-CAP,S 2200P-50 B<818>		L301	87-005-481-080	COIL,47UH J FLR50	
C423	87-012-156-080	C-CAP,S 220P-50 CH<818>		L351	87-005-734-080	COIL,22UH J SP02	
C431	87-010-178-080	CHIP CAP 1000P		L352	87-005-738-080	COIL,47UH J SP02	
C451	87-010-112-080	CAP, ELECT 100-16V<717>		L353	87-005-730-080	COIL,10UH J SP02	
C452	87-010-197-080	C-CAP,S 0.01-25 K B<717>		L354	87-005-730-080	COIL,10UH J SP02	
C453	87-010-182-080	C-CAP,S 2200P-50 B<717>		L355	87-005-745-080	COIL,180UH J SP02	
C455	87-010-405-080	CAP, ELECT 10-50V<717>		L356	87-005-738-080	COIL,47UH J SP02	
C457	87-010-405-080	CAP, ELECT 10-50V<717>		L358	87-005-481-080	COIL,47UH J FLR50	
C458	87-010-263-080	CAP,ELECT 100-10V<717>		L401	88-JP6-615-010	COIL,BIAS OSC 70KHZ<818>	
C459	87-010-175-080	C-CAP,S 560P-50 J SL<717>		L402	87-005-398-080	COIL,8.2MH LHL06<818>	
C460	87-010-244-080	C-CAP,E 22-16 M 5L SRE<717>		L403	87-005-739-080	COIL,56UH J SP02<818>	
C461	87-010-805-080	C-CAP,S 1-16 Z F<717>		L601	87-005-481-080	COIL,47UH J FLR50	
C462	87-010-197-080	C-CAP,S 0.01-25 K B<717>		L602	87-005-481-080	COIL,47UH J FLR50	
C602	87-010-197-080	CAP, CHIP 0.01 DM<818>		LF1	87-A90-869-010	FLTR,LINE LF2020-333	
C603	87-010-196-080	CHIP CAPACITOR,0.1-25		PS1	87-A90-717-010	P-COUPLER,PC123FY2	
C604	87-015-677-080	CAP,E 100-6.3 7L		PS601	87-A90-834-010	SNSR,SG-258S	
C605	87-010-154-080	C-CAP,S 10P-50V		PS602	87-A90-834-010	SNSR,SG-258S	
C606	87-010-154-080	C-CAP,S 10P-50V		PT1	88-JP6-630-010	PT,KER SWT	
C609	87-010-178-080	CHIP CAP 1000P		R8	87-A00-414-090	RES,M/F 8.2-1W J RNS	
C610	87-010-178-080	CHIP CAP 1000P		R10	87-025-425-080	RES,M/F 12K-1/8W F	
C611	87-010-178-080	CHIP CAP 1000P		R11	87-022-629-080	RES,M/F 11K-1/6WF	
C612	87-015-695-080	CAP,E 1-50 7L		R12	87-A00-363-090	RES,M/F 68K-2W J RSS2X	
C613	87-010-184-080	CHIP CAPACITOR 3300P(K)		RF201	87-A90-740-010	RF MOD UNIT,NJH3032E20 G/K	
C614	87-010-196-080	CHIP CAPACITOR,0.1-25		S601	87-A90-873-080	SW,TACT SKQNAJ	
C615	87-010-375-080	CAP,E 330-10 SME		S602	87-036-110-010	SW,MICRO SPPB62	
C616	87-015-681-080	CAP,E 10-16 7L		SFR601	87-024-177-080	SEMI-FIXED RESISTER, 220K	
C617	87-010-193-080	CHIP CAPACITOR,0.033		TM1	87-A60-317-010	TERMINAL, 1P MSC	
C618	87-015-681-080	CAP,E 10-16 7L		TM2	87-A60-317-010	TERMINAL, 1P MSC	
C619	87-010-263-080	CAP, ELECT 100-10V		X101	87-A70-019-080	VIB,XTAL 4.43MHZ	
C620	87-010-196-080	CHIP CAPACITOR,0.1-25		X601	87-A70-090-080	VIB,XTAL 16MHZ AT-49	
C622	87-010-805-080	CAP, S 1-16		FRONT C.B			
C623	87-010-196-080	CHIP CAPACITOR,0.1-25					
C628	87-010-196-080	CHIP CAPACITOR,0.1-25					
C629	87-010-260-080	CAP, ELECT 47-25V		C702	87-010-196-080	CHIP CAPACITOR,0.1-25	
C630	87-010-197-080	CAP, CHIP 0.01 DM		C703	87-010-196-080	CHIP CAPACITOR,0.1-25	
C631	87-015-680-080	CAP,E 47-10 7L		C704	87-010-263-080	CAP, ELECT 100-10V	
C632	87-010-197-080	CAP, CHIP 0.01 DM		CNT01	87-099-202-010	CONN,9P 6216 H	
C633	87-010-197-080	CAP, CHIP 0.01 DM		D703	87-017-733-080	LED,SEL1250SM	
C634	87-015-684-080	CAP,E 47-16 7L		D704	87-017-733-080	LED,SEL1250SM<818>	
C635	87-010-197-080	CAP, CHIP 0.01 DM		D705	87-017-350-080	LED,SEL1550CM	
C636	87-015-684-080	CAP,E 47-16 7L		D706	87-017-350-080	LED,SEL1550CM	
C637	87-010-197-080	CAP, CHIP 0.01 DM		D707	87-017-350-080	LED,SEL1550CM	
CN604	87-099-197-010	CONN, 9P 6216 V		D708	87-017-350-080	LED,SEL1550CM	
CNA402	88-JP6-622-010	CONN ASSY,6P ACE		D709	87-017-350-080	LED,SEL1550CM	
CNA602	88-JP6-623-010	CONN ASSY,7P MOTOR		D710	87-017-350-080	LED,SEL1550CM	
D604	87-070-418-010	LED,LN66A		D711	87-017-350-080	LED,SEL1550CM	
F1	87-035-454-010	FUSE,1.6A 250V T W/C		D712	87-017-350-080	LED,SEL1550CM	
F000	88-909-121-110	FF-CABLE,9P 12CM		S701	87-A90-164-080	SW,TACT SKQAB(N)	
FC1	87-A90-505-080	FUSE CLAMP,TP00351-51		S702	87-A90-164-080	SW,TACT SKQAB(N)	
FC2	87-A90-505-080	FUSE CLAMP,TP00351-51		S703	87-A90-164-080	SW,TACT SKQAB(N)	

ELECTRICAL MAIN PARTS LIST - 3/3

REF.NO.	PARTNO.	KANRI NO.	DESCRIPTION	REF.NO.	PARTNO.	KANRI NO.	DESCRIPTION
S704	87-A90-164-080		SW,TACT SKQAB(N)				
S705	87-A90-164-080		SW,TACT SKQAB(N)				
S706	87-A90-164-080		SW,TACT SKQAB(N)				
S707	87-A90-164-080		SW,TACT SKQAB(N)				

UPPER DRUM MOTOR C.B

LOWER DRUM MOTOR C.B

CAPSTAN MOTOR C.B

LOADING MOTOR C.B

ACE HEAD C.B

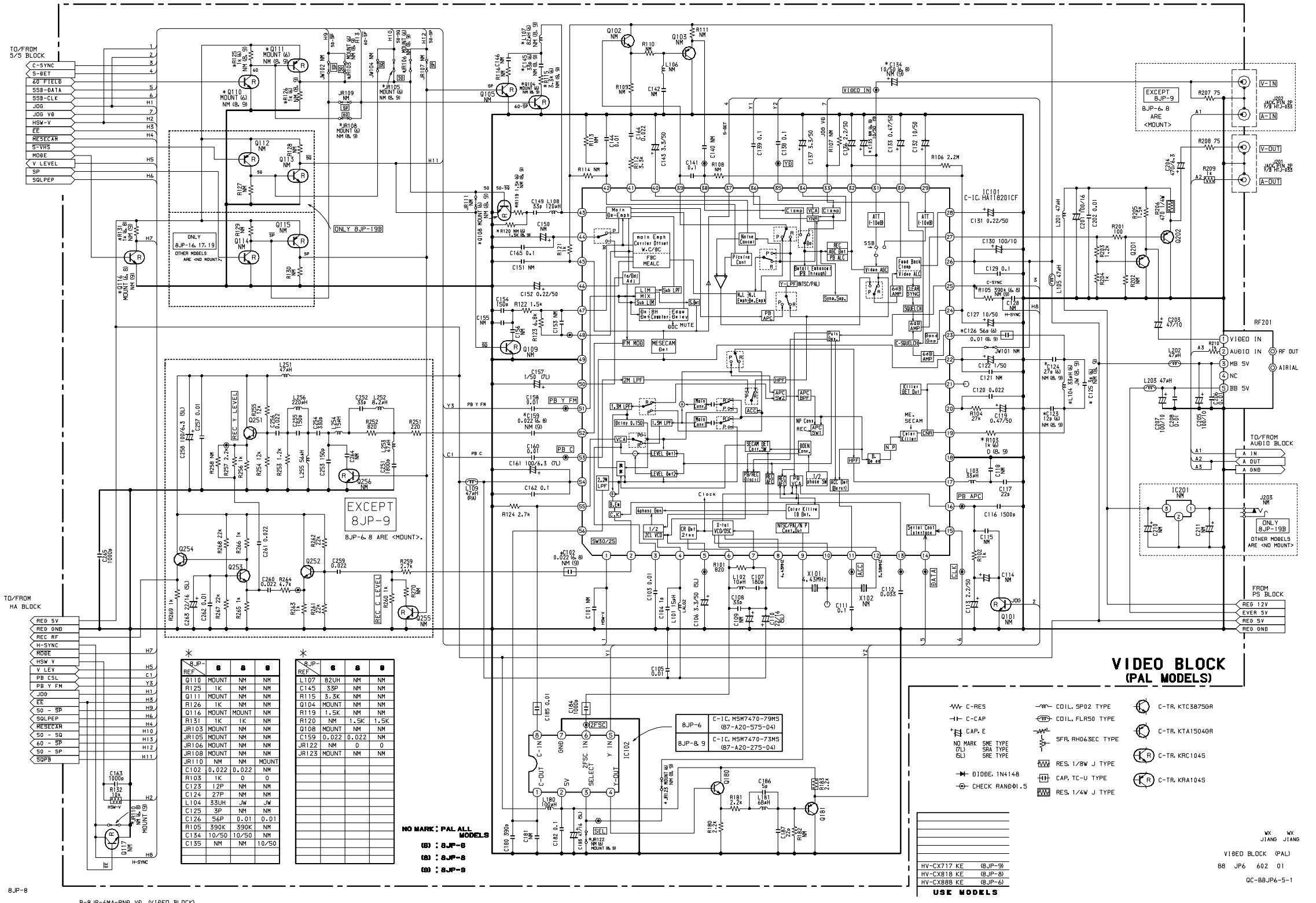
MECHANICAL PARTS LIST - 1

REF.NO.	PARTNO.	KANRI NO.	DESCRIPTION	REF.NO.	PARTNO.	KANRI NO.	DESCRIPTION
1	88-JP6-003-010		CABI,STEEL				
2	88-JP6-004-010		PANEL,RE 1<818>				
2	88-JP9-004-010		PANEL,RE 2<717>				
3	87-A80-088-010		AC CORD ASSY,E BLK				
4	88-JP6-008-010		KEY,CONT 1<818>				
4	88-JP9-008-010		KEY,CONT 2<717>				
5	88-JP8-001-010		CABI,FR<818>				
5	88-JP9-001-010		CABI,FR<717>				
6	84-LB3-024-110		PLATE FOOT				
7	88-JP6-009-010		CAP, RING				
8	88-JP6-006-010		WINDOW,DSPLY 1				
9	82-NE8-032-010		BADGE,AIWA 27.5				
10	88-JP6-007-010		KEY,POWER				
11	88-JP9-005-010		DOOR,CASS 2<717>				
11	88-JP8-005-010		DOOR,CASS 4<818>				
12	84-JP9-202-010		SPR-T,DOOR				
13	81-JUK-045-010		FELT,FOOT 8-8				
A	87-067-761-010		TAPPING SCREW, BVT2+3-10				
B	87-067-579-010		TAPPING SCREW, BVT2+3-8				
C	87-067-703-010		TAPPING SCREW, BVT2+3-10				
D	87-078-070-010		BVIT3B+4-12				
E	87-067-688-010		BVTT+3-6				

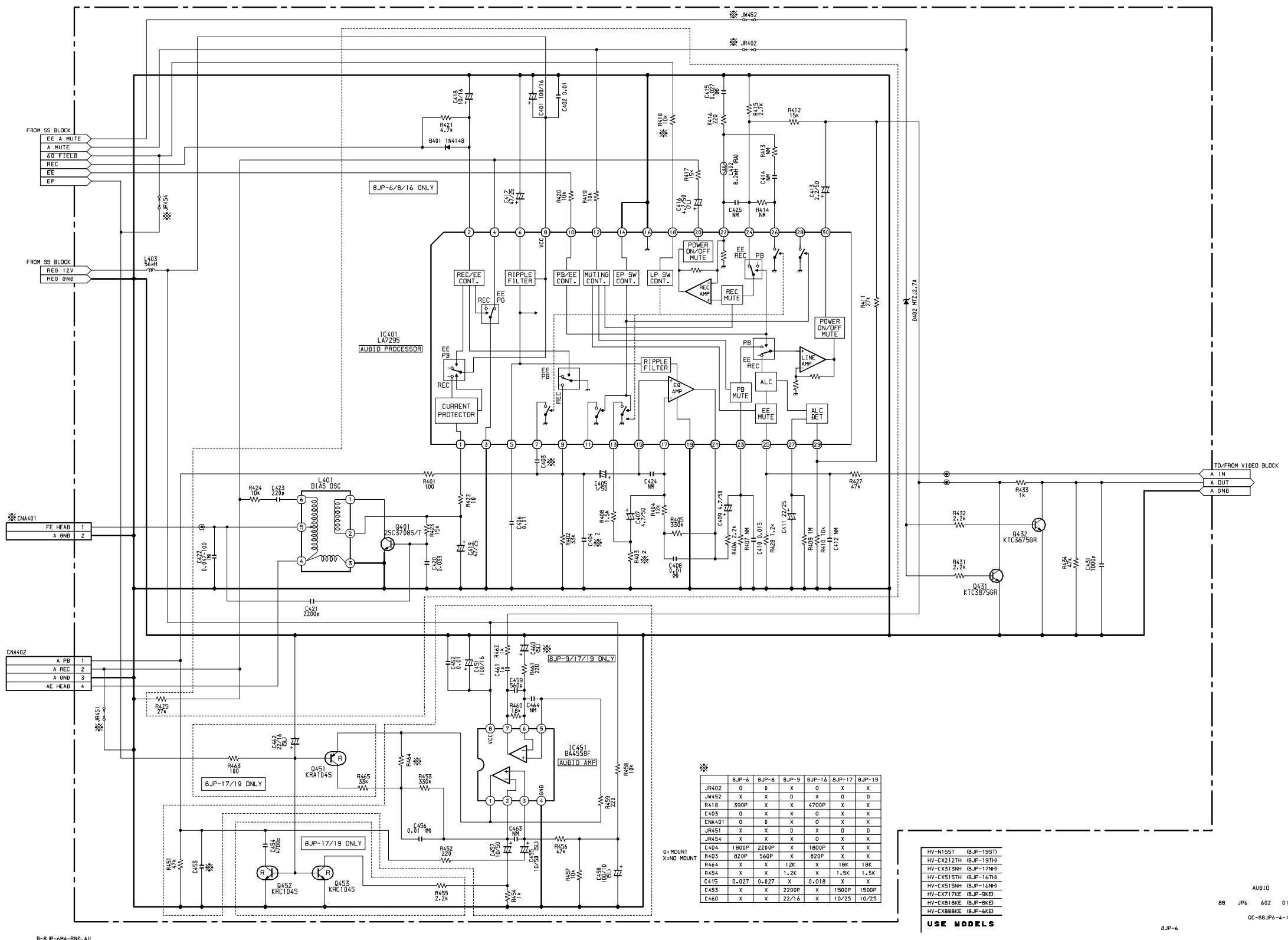
ACCESSORIES / PACKAGE LIST - 1

REF.NO.	PARTNO.	KANRI NO.	DESCRIPTION	REF.NO.	PARTNO.	KANRI NO.	DESCRIPTION
1	88-JP9-903-010		IB,KE (ECRPA)-M<717>				
1	88-JP8-903-010		IB,KE (ECRPA)-M<818>				
2	87-B30-106-010		CORD,RF PAL/UJ0502				
3	88-JP8-670-010		RC UNIT,RC-8VP02<818>				
3	88-JP9-670-010		RC UNIT,RC-8VP03<717>				

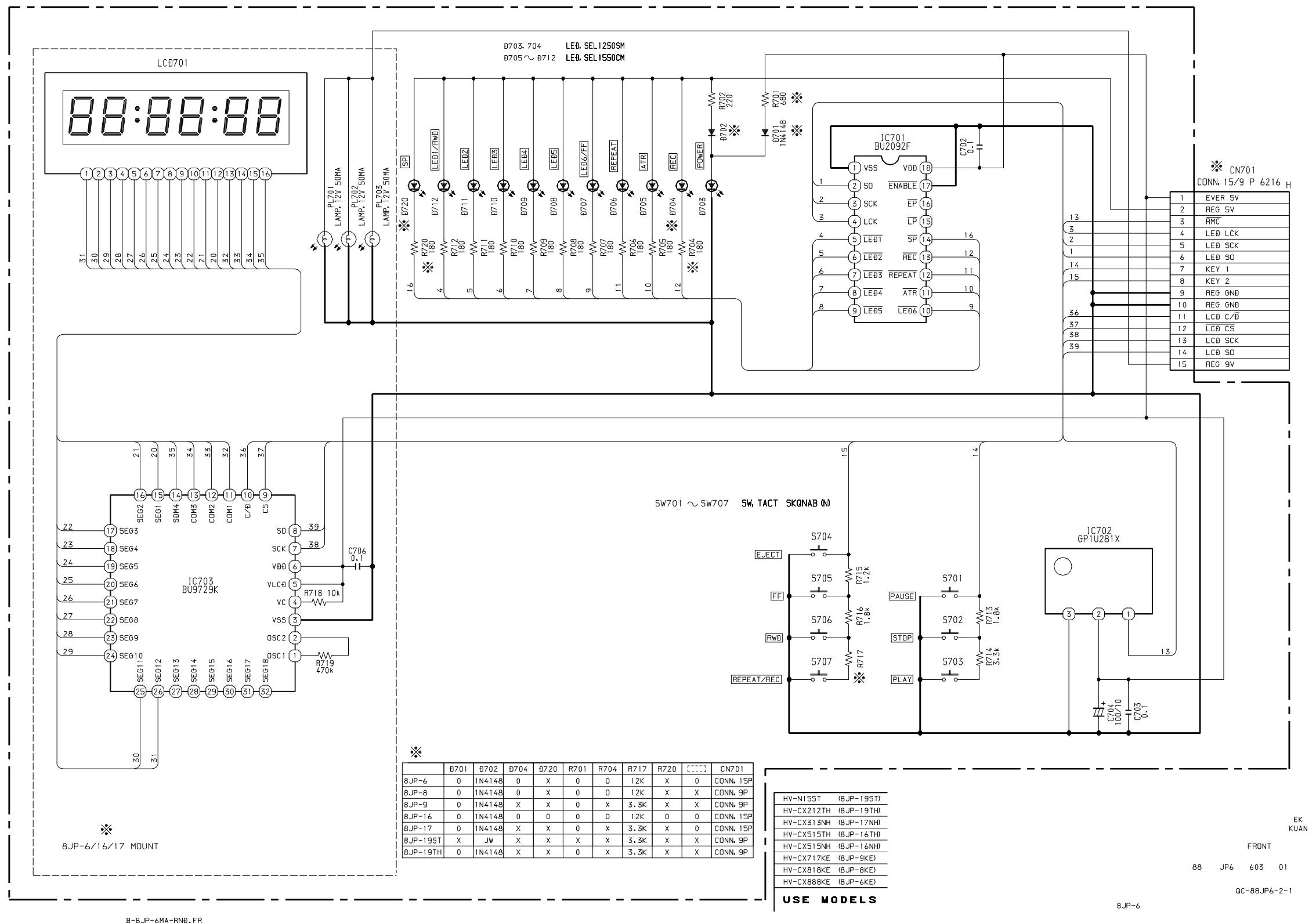
SCHEMATIC DIAGRAM – 1 (VIDEO)



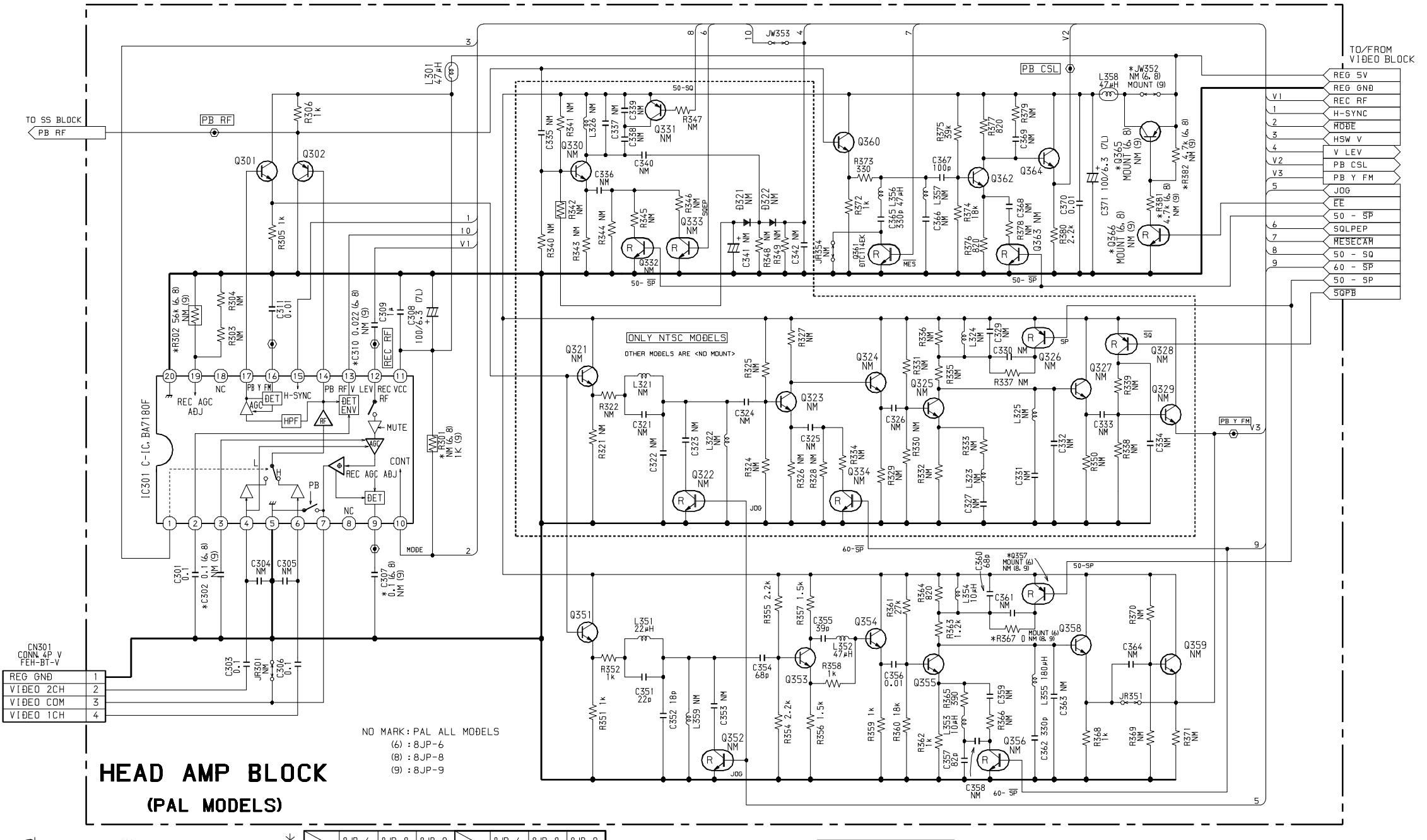
SCHEMATIC DIAGRAM – 2 (AUDIO)



SCHEMATIC DIAGRAM – 3 (FRONT)



SCHEMATIC DIAGRAM – 4 (HEAD AMP)



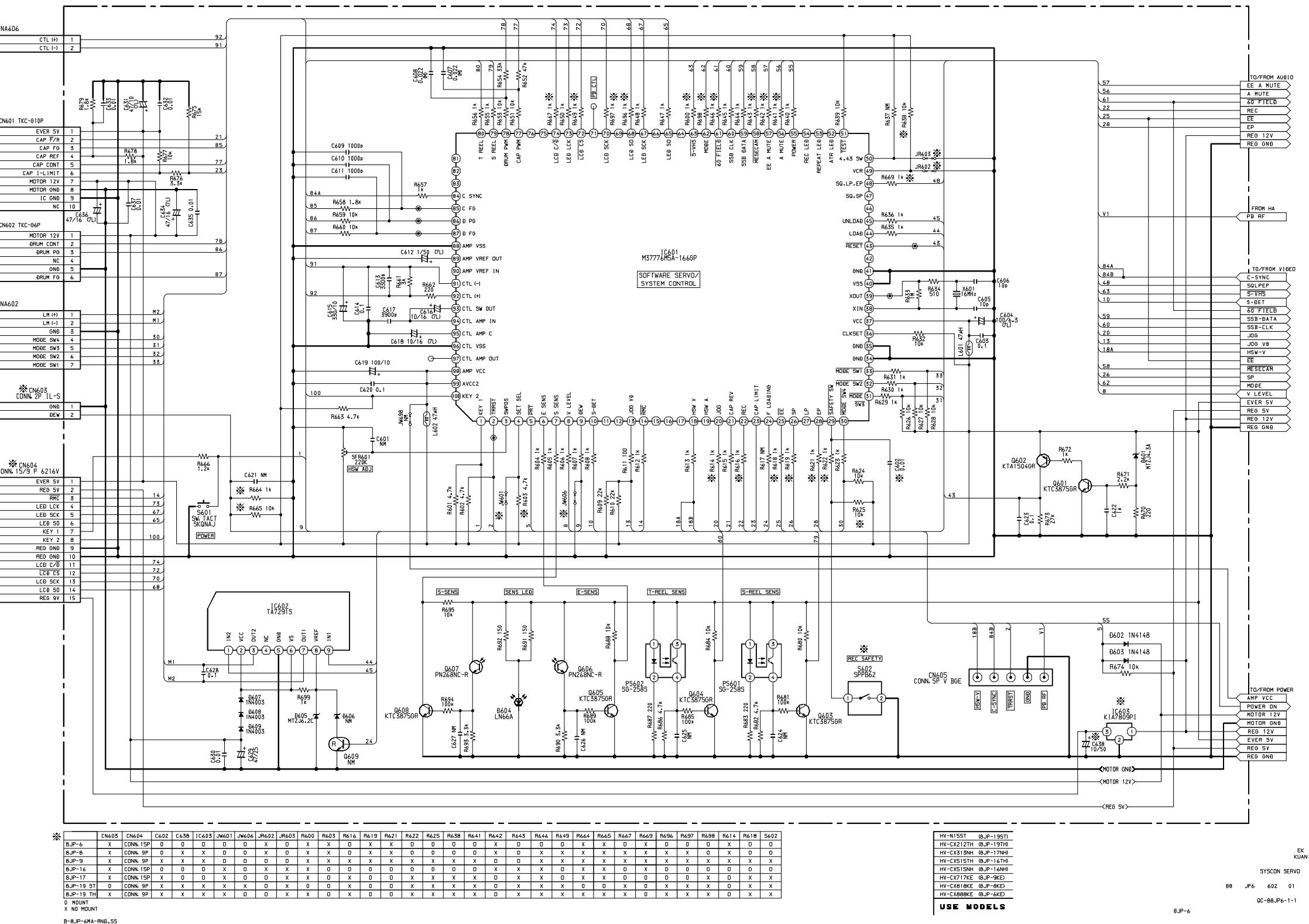
- C-TR, KTC3875GR
- C-RES, KTA1504GR
- C-TR, KRC104S
- CAP, TC-U, CHECK RND, AX, 1.5
- COIL, FLR50
- COIL, SP02

	8JP-6	8JP-8	8JP-9	8JP-6	8JP-8	8JP-9
C302	0.1	0.1	NM	R382	4.7K	4.7K NM
C307	0.1	0.1	NM	Q357	KRA1045	NM NM
R301	NM	NM	1K (AX)			
R302	56K (AX) 6K (AX)	NM				
C310	0.022	0.022	NM			
JW352	NM	NM	MOUNT			
Q365	KTA1504	KTA1504	NM			
Q366	KRC104S	KRC104S	NM			
R381	4.7K	4.7K	NM			

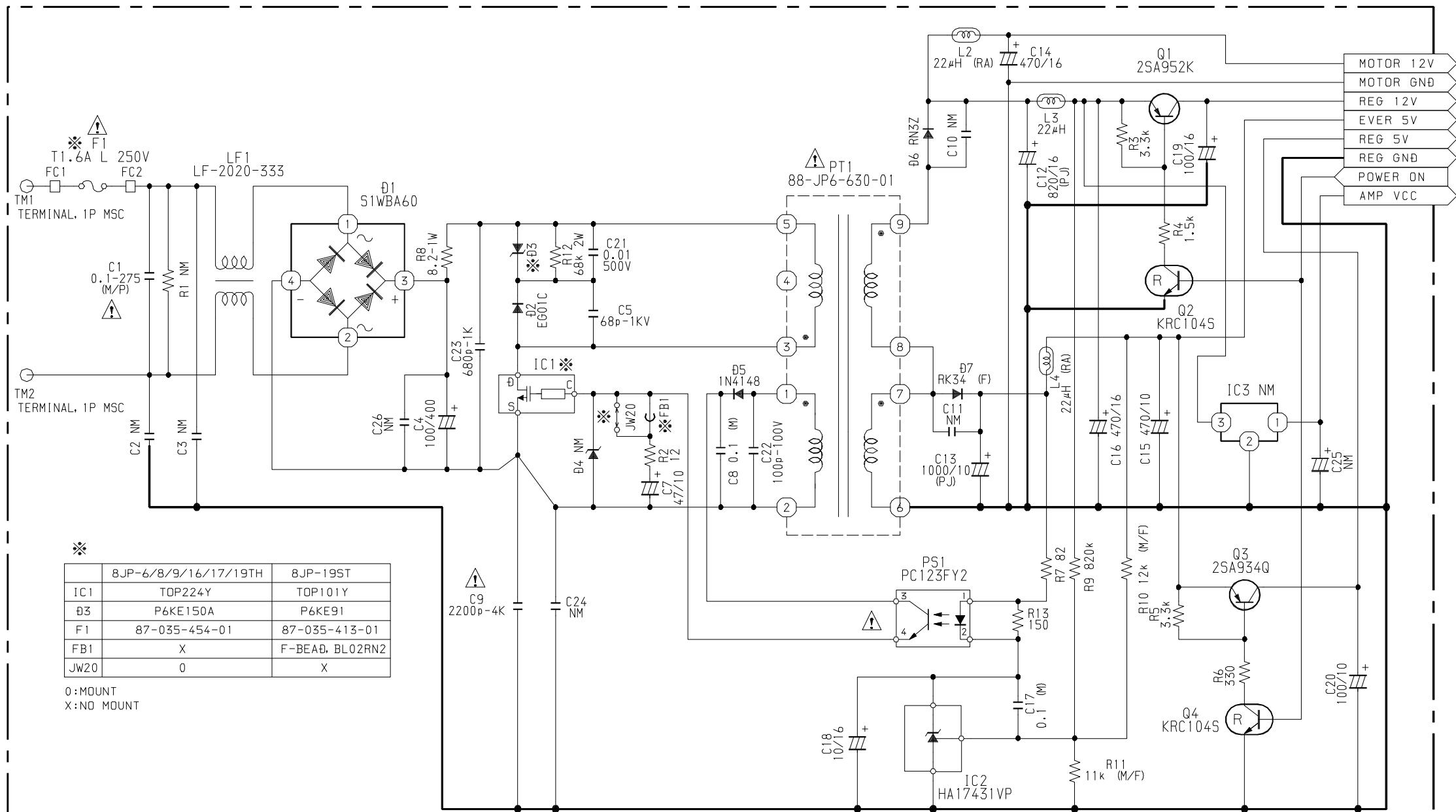
B-8JP-6MA-RN& HA

WX JIANG
 VIDEO HA BLOCK (PAL)
 88 JP6 602 01
 QC-88JP6-6-1

SCHEMATIC DIAGRAM – 5 (SYSCON/SERVO)



SCHEMATIC DIAGRAM – 6 (POWER)



USE MODELS	
HV-N15ST	(8JP-19ST)
HV-CX212TH	(8JP-19TH)
HV-CX313NH	(8JP-17NH)
HV-CX515TH	(8JP-16TH)
HV-CX515NH	(8JP-16NH)
HV-CX717KE	(8JP-9KE)
HV-CX818KE	(8JP-8KE)
HV-CX888KE	(8JP-6KE)

POWER

88 JP6 602 01
QC-88JP6-3-1

AJIT



サービス技術ニュース	
番号	連絡内容
G- -	
G- -	
G- -	

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